

METHOD FOR AMPLIFYING NUCLEIC ACID SEQUENCE AND REAGENT KIT THEREFOR**Publication number:** JP5146299**Publication date:** 1993-06-15**Inventor:** AOKI TOSHIYA, TAKARADA YUTAKA, SHIBATA HIDEJI**Applicant:** TOYO BODEN**Classification:****- International:** C12N15/09; C12N15/10; C12Q1/68; C12N15/09; C12N15/10; C12Q1/68; (IPC1-7) C12N15/10, C12Q1/68**- European:****Application number:** JP19910339672 19911127**Priority number(s):** JP19910339672 19911127[Report a data error here](#)**Abstract of JP5146299**

PURPOSE: To simply and efficiently amplify the target nucleic acid sequence according to a specific method using a cyclic single-stranded nucleotide, a primer having a sequence complementary to that of the nucleotide and a thermostable DNA polymerase. **CONSTITUTION:** (A) A cyclic single-stranded nucleotide, (B) a primer having a sequence complementary to that of the nucleotide and (C) a thermostable DNA polymerase are used to elongate the primer (B) annealed in the nucleotide (A). Thereby, a single-stranded nucleic acid having a repeated sequence complementary to that of the nucleotide (A) is produced. Specifically, the nucleotide (A) and the primer (B) are preferably annealed and the annealed primer (B) is then elongated with the enzyme (C) using the nucleotide (A) as a template to amplify the nucleic acid sequence.

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